BIG SAVING ON TIRES.

Means \$10,000 to One Firm.

8,000 MILES DRIVING

**COSTS 4 CENTS A MILE** 

Motoring Expense.

FIXED EXPENSE.

Course in Electric Self-starters.

## War Time Ambulances All Are of Motor Driven Type

History of Service Shows What Has Been Done in Civil Life's Need to Improve Methods.

SLECTRICS PRAISED AS OWNING GOOD POINTS

Secretary Electric Vehicle Associa- under normal conditions, it is surpassed in Continental Europe.

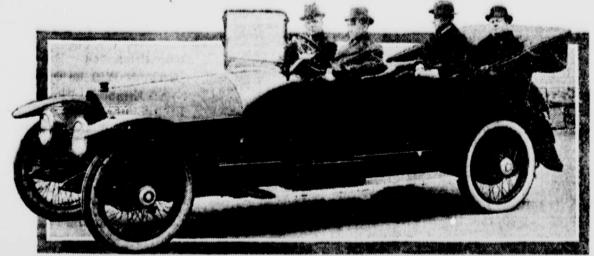
system of ambulance arrangement for all the armies of the United States in

tion of America.

The Birowan war has created a great density of the birowan war has created a great density before the birowan war has created a great density before the birowan war has created as the second property of the birowan war has created as the second property of the birowan war has created as the second birowan war has created as the second property of the birowan war has been and clearly were sufficiently appropriately appropriate by the state Legislature in the season will be seen that the state of the supervision of the Board of the birowan war has been and a clearly were as the second contains a series of the birowan war has been and as it is now is especially appropriate by high such as the series of the birowan war has been and that not long ages—from the existing the same service as the birowan war has been and that not long ages—from the existing the same service while property is the service of being greatly influenced a review of being greatly influenced a review of a self-ter supervision of methods emissively welf-are in times of peace, originally welf-are in times of peace, originally welf-are in times of peace originally welf-are

all the armies of the United States in field. From this organization grew that of the present day city emergency that of the present day city emergency service, which dates from 1869, when Dr. Edward B. Dalton inaugurated the work at the Bellevue Hospital in New York eity. Dr. Dalton had been in charge of the field ambulance corps of the Army of the Potomac during the civil war, and when he was requested to submit a plan of ambulance operative. which has some interesting records. In the Triangle Shirt Factory fire it car-ried eight patients at one trip to the hospital, half a mile off, and on another occasion it made a fifty-mile trip to a hospital beyond the city limits on a wil war, and when he was requested submit a plan of ambulince operation for New York he was guided trie and two horse drawn ambulances. Evident satisfaction in the electric appears from a report of the superintend actically unchanged during the fortyas a pattern that has been satisfactory than the horse drawn Rubber Company. "The service of tires copied throughout the country, ones, especially during the hot weather, will be abbreviated to a considerable

OWEN MAGNETIC CAR IN TESTS

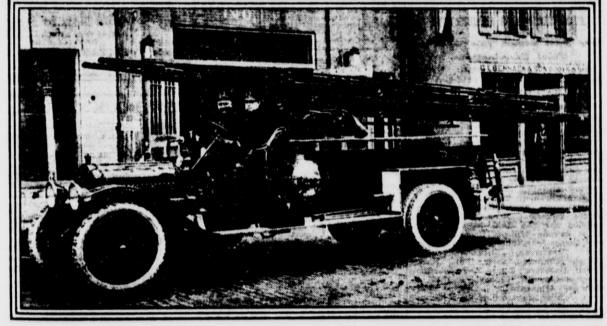


R. M. Owen and Harry S. Houpt, who recently joined forces to sell the Owen Magnetic, put the through various climbing and speed tests. Mr. Owen is at wheel and Mr. Houpt sits beside him. In the rear seat are E. S. Partridge and Carl Page.

Macadam Roads When Wet and Other Conditions Apt to Cause Trouble.

not until ten years after this During one hot day about eighty calls extent if cuts, punctures and snags are

"NOBBY TREAD" EQUIPPED FIRE TRUCK



This fire truck, owned by the city of Chillicothe, Ohio, is required to make high speed in all sorts of weather. The truck has a "Nobby" on each front wheel and two on each rear wheel,

astallation in New York that the Brit- were answered, and the electric am- neglected. The cost of fixing such in-

were answered, and the electric ambulance association of Nt. John for the purpose of fernada similar system in England for the purpose of fernada, Australia and India, all under the central control of the motival tensor in the Enited States, however, each eithy operates its ambulance association. In the United States, however, each eithy operates its ambulance association in the Enited States, however, each eithy operates its ambulance association. In the United States, however, each eithy operates its ambulance association in the United States, however, each eithy operates its ambulance association. In the United States, however, each eithy operates its ambulance association. In the United States, however, each eithy operates its ambulance association in the united States, however, each eithy operates its ambulance association of the motival tensor in England for the purpose of fixing such in the cost of fixing such in the delection of the motival tensor in the propose of the cost of fixing such in the cost of fixing such in the cost of fixing such in the delection of the motival tensor in the propose of the cost of fixing such in the similar propose of the cost of fixing such in the propose of fixing such in the cost of fixing such in the co

the the necessity of accompanying regmeans of transport. To fill this need
the meter was applied to the ambulance
so that in the field to-day the ambumeans excited is almost entirely made
to automobiles.

The oldest motor ambulance still on
service is an electric belonging to the
Mount Sinai Hospital, and although it is
not now on emergency duty it is interesting on account of its age. It was
presented to the hospital twelve years
ago, costing the donor at that time
planed by the various armies are now
foundlar from pictorial weeklies and
Sunday newspapers. Not so familiar is
the ambulance of peace. The horse
trawn vehicle has always been popular
taid will continue to be relied upon
in blizzard service and in other emergencies when the motor is not dependable. But aside from these exigencies
the motor car is the accented type of
think would be about 30 per cent.

The oldest motor ambulance still on
service is an electric belonging to the
Mount Sinai Hospital, and although it is
not now on emergency duty it is interesting on account of its age. It was
presented to the hospital twelve years
ago, costing the donor at that time
specific to the wheel it forces itself further in
between the cover and the fabric of the
time. It is not unusual for complete
separation of the tread to occur. When
this happens it is often necessary to
either apply an entirely new cover or
buy a new tire.

Owners sometimes cannot understand why tires having good treads
and appearing all right from the outset and why tires having good treads
and appearing all right from the outset as the motor is not dependable. But aside from these exigencies
the motor car is the accented type of
the matter of the tweel it forces itself further in
between the cover and the fabric of the
time. It is not unusual for complete
the motor at that time
separation of the tread to occur. When
the motor at that time
set as deferment and the cover and the fabric of the
motor automobiles.

The ambulance still on
service is an electric belonging to

### CAR KNOWLEDGE STILL IMPORTANT TO OWNER

Simplicity and Foolproofness Don't Absolve Him From Trouble, Says School Man.

By WILLIAM H. STEWART, Jr.

know what makes the wheels go round. fallen to or below seventy pounds note is a question unanswered. Few realize that a very small particle of dirt ize that a very small particle of dirt or lint will defer an otherwise pleasant trip indefinitely by stopping the flow of gasoline in the carbureter. Even a few drops of water in the carbureter will produce the same result. A loose wiring terminal, caused by the constant vibration, will cut out the spark and ston the engine.

Rim cuts and blowouts are unknown.

If an electric light wire becomes loosened or a fuse blows out, the lights will be extinguished and cause great inconvenience. These, however, are small matters compared with what might happen through lack of knowlinght happen through lack of ige or neglect on the part of an opera-ble. Suppose the olling system of motor could become clogged and fail to work.

whole power plant may be ruined in a few miles of running.

makes no difference whether the cost \$500 or \$5,000. Any of the ve things may happen just the same is well said that most all of the sent day cars will give good serand satisfaction if given properand satisfaction if given propervice and satisfaction if given proper care and attention. Most persons seem to think that so long as the car is covered by the manufacturer's warranty they are immune from repair bills dur-ing the period of the warranty, but it matters nothing how little they know, so long as the dealer who sold the car willing to maintain it in running

facturer's warranty correctly. In re-ality it covers only substitution of de-

ms of the warranty under which the

advantage to know his car, whether he operates it or not. It is safe to presume that every owner of an automobile will continue to own some kind of a car. This being granted, then the initial training becomes an indispensable tial training becomes an indispensable asset which grows more valuable with

All cars are more or less allke in principle, but somewhat different in design. If a person can operate and properly care for a car of one make there is no reason why he cannot operate and care for any make. However to accomplish this intelligently and in a manner to induce economical service it is essential that one know the functions of each unit which constitutes the mechanism of the chassis and he prepared to make necessary adjustments.

S. J. Robinson of the pared to make the constitutes the mechanism of the chassis and he prepared to make necessary adjustments. a manner to induce economical service it is essential that one know the functions of each unit which constitutes the mechanism of the chassis and be prepared to make necessary adjustments and repairs when needed.

SILVER BUILDS CAR BODY.

It is a New Design for Touring Mounted on Peerless Siz.

Another sample of the beautiful special bodies being built by C. T. Silver bas just been placed on view on his New York sales floor. This latest creation is a seven passenger touring body, and is mounted on a change of the seven in the car and they appear to and follow direct road through Morganville.

Lia a new Design for Touring the court house in Freehold, sixty-four miles.

Total 100

Ease Spark plug 100

Fuses 100

Fuses Spark plug 100

Fuses Spark plug 100

Fuses Spark plug 100

Fuses 100

Fuses

Wheels and Protect.

One of the successful racing drivers several seasons ago won a leading position in a big Indianapolis event because he took advantage of the suction behind the ear of the favorite. Comparisons afterward showed that this maneuvre added appreciably to the average speed of his own machine. This incident is mentioned merely to illustrate how powerful is the draft in the wake of a rapidly moving motor vehicle. Bacing car designers endeavor to shape the car bodies with torpedo or turtle back lines that the suction may be reduced.

Con leading position in a big Indianapolis event because he took advantage of the suction behind the car of the favorite. Comparisons afterward showed that this maneuvre added appreciably to the average speed of his own machine. This incident is mentioned merely to illustrate how powerful is the draft in the wake of a rapidly moving motor vehicle. Bacing car designers endeavor to shape the car bodies with torpedo or turtle back lines that the suction may be reduced.

Con leading position of the cooperation of the Auto-Lite. Delco, Gray at the course in "self-starters" has special course in "self-starters" has special course in "self-starters" has a special course in

indicated over a single device and in other emergency extended and new secretic supplied.

This is often due to water working the motor is not dependent to the motor car is the accepted type of solden archibulance. In an edition of the accepted type of solden archibulance are also as a solden archibulance and the secretic and t

## ROADS TO ATLANTIC CITY IN GOOD FORM

Tour for Motorists Who Plan to Visit Jersey Coast Towns at Easter.

LAKEWOOD IS HALF WAY

Few motorists realize the number and variety of roads around New York city that are available for touring during the early spring. The unusual openness he past winter, with its almost complete freedom from snow, has plete freedom from snow, as kept the roads in New Jersey, Westenester county and Long Island in remarkably good condition. This is particularly true of macadam and other hard sur-faced roads, of which there are a goodly number within a day's run of New Yo lowed the roads to dry out to an ex tent which would not be possible under ordinary early spring conditions. Thus it is that the Bureau

is able to guarantee to the Easter-time motorist. Atlantic City-bound for the post-lenten, festivities, a fairly good road throughout, even though rutted somewhat in places, as is inevitable at From a large Middle Western concern comes the information that in a single year it saved well over \$10,000 by applying to the care of the Good-year tires on this big fleet of delivery this time of year.

trucks the same principles of efficiency that it employs in conducting other departments of its business.

As a half-way stopping point on the Atlantic City route, Lakewood more than fulfils all requirements. To reach departments of its business.

Each truck driver is required to inflate his tubes every morning to a prescribed pressure (ninety pounds) before starting out. Then on his return in the evening he applies a gauge to determine the pressure. If this has fallen to or header. Newark, Elizabeth, New Brunswick, turn right into Forty-third street to the is made of the fact. The next morning the tires are again inflated to the maxeft and at once right into Third street mum pressure and the car sent out for of the second day, the tire is and re-and the inner tube examined and reof the second day, the tire is removed inner tube shows signs of weakness o liability to blow out it is discarded and a new one put in.
Rim cuts and blowouts are unknown. into Market street to Broad street in Newark, fourteen miles. Keep straight on for two blocks and

left into Washington street; at follow the trolley a short dis eyond at a fire station turn right into Frelinghuysen avenue, which follow Newark avenue and then via Broad street to the post office in Eliza-

short distance beyond turn Chicago Motorist Keeps Ac-into Cherry street; one-quarter mile be-yord, turn right into Rahway avenue and continue on into St. George's avenue through Rahway, twenty-five miles. Just before railroad, turn right with-out crossing it although motorists bound for Perth Amboy and Jersey coast re-Motorists who keep tabs on what their across the railroad. A mile and a half cars cost them to run are rare birds, after the right turn just mentioned the road forks; here bear to the left and again left at a second fork a short disality it covers only substitution of defective parts. That is to say, if a part breaks and is claimed defective it is returned to the factory to be passed on for credit. The owner pays transportation charges both on the old part returned and also on the new part. Likewise the owner is supposed to pay the necessary charges for replacing of the part. Very often it happens that a few cent amount in labor to replace.

If a dealer should adhere strictly to the terms of the warranty under which the variable and the figures:

Variable Expense. ick, thirty-eight miles. Turn left into George street, and keep

4.53 straight ahead to a dead end, where turn and next right with the main travel; follow a good hard surfaced road about seven miles to Old Bridge. of divergence of two separate routes to

Total 523.62 Freehold. The best one to follow at this time of year is the route via Freenau and Mariboro, as this consists of hard surfaced expense per mile 50.257 faced roads throughout. It is, however, loverhead expense per mile 50.257 four miles longer than the alternate via Englishiown. Hence it is better to bear effect or odd Bridge, and continue at the straight abead for seven miles to the end of the road at a long yellow house. Here turn right and follow a toollev across a railroad. Pass the post office in Frenau. It is to be to be a railroad at a long yellow house. Here turn right and follow at this time of year list the road straight abead for seven miles to the end of the road at a long yellow house. Here turn right and follow at this time of year list the road at a long yellow house. Here turn right and follow at this time of year list the road straight abead for seven miles to the end of the road at a long yellow house. Here turn right and follow at this time of year list the road straight abead for seven miles to the end of the road at a long yellow house. Here turn right and follow at this time of year list the roads throughden.

enhanced by hand beaten crown fenders and wire wheels and bullet lamps. It is fitted with a fine example of the Victoria top in the roof of which two electric lights are installed. This job is upholstered in real pigskin leather and the finish is monitor gray. This Peerless is one of the handsomest cars ever shown in New York.

FENDERS REDUCE DUST.

Starts instead of stops with the sale, addeduce of several miles over rather poor sountry roads. Three-quarters of a mile beyond New Gretna a sharp turn to the left is made, after which continue across salt mendows and on for five plete equipment, for outside the Sedat tops which are all the vogue, there are now no extras. Electric starting and lighting, windshield, one man top, tree carriers, Yale locks, speedometer, top glare dimmer headlights, side curtains, and Absecon, 60 miles. After crossing railing and glare dimmer headlights, side curtains, sharply to the left into the Atlantic avenue, here turn left and continue straight to South Catolina avenue in Atlantic City, 69 miles. This fustly famous all the year round

# Hupmobile

## Ask the Woman Who Drives



One woman who drives a Hupmobile. spoke for all others when she said: feel when I am driving the Hupmobile as though I were a part of the car-or as though it were a part of me,"

She meant, of course, that the Huptaobile responded immediately to every impulse or direction she gave it.

She meant that it is always as easily and completely under her control as her own movements.

She meant that she always feels safe and sure and secure, because she always knows exactly what the Hupmobile will do under any and all

A woman knows, for instance, that the Hupmobile motor will not stall-and because it can not, therefore it's safest.

She knows the turning radius of the Hupmobile is remarkably small for a car of its length. That makes it easy to handle.

With a wheelbase of 119 inches, the Hupmobile will circle in a 40-foot street.

The motor is so flexible that she gets along with a minimum of gear shifting.

The steering is so easy that a child can guide the car almost without effort. The driving seat is made with a scientific regard for her

comfort—with a high, restful back, and the seat cushion tilted at precisely the right angle. She gives no thought to emergencies which might require repairs, because she knows that repairs are so few and

far between that they can safely be forgotten. The Hupmobile is always a source of pleasure to the woman who drives-or the woman who rides.

That's why in every Hupmobile home there's a woman who is a Hupmobile enthusiast. Let us give the Hupmobile merit-test at your convenience.



CHANDLER SIX "The Six With the Marvelous Motor'



## Check Up Any "Competing" Car with the Chandler

THE Chandler now sells at a lower price than any other six of standard touring car size. Still, no other car selling at less than \$2000 possesses all the high grade features of design, construction and equipment found on the Chandler. Motor The Chandler offers you the exclusive Chandler-

design and Chandler-make motor, a powerful, quiet, economical, beatifully finished motor that you can be

Ignition What of ignition on the "other car"? Has it a magneto? Has it the Bosch? The Chandler has the Bosch magneto. And Bosch spark plugs too. Starting and Lighting Has the "other car" a sim-

electric starting and lighting system? The Chandler has the standard Gray & Davis. Carburetion What carburetor is on the "other car"? Is it an unknown or a doubtful? Chandler

has the famous Rayfield. Radiation There's a lot of difference in radiators. Car builders who put quality above price select the Mayo Genuine Mercedes Type. That's the Chandler

radiator. Motor Base The Chandler cast aluminum motor base, extending from frame to frame, gives rigidity to the engine mounting, provides pedestals for magneto, pump and generator and does away with the necessity for a dirty, rattly street metal drip pun.

Motor Drive What do you find on "the other cas," gears that are bound to be noisy? Chandler has

enclosed silent chains running in oil. Upholstery What about "the other car"? Has it thin, filmsy split leather, machine buffed or has it genuine leather of fine substance and hand buffed, like the Chandler leather? The Chandler cushions are har.

Rear Axle You have heard a lot of noisy rear axleshaven't you? The Chandler has the new worm-bevel axle, smooth running and silent.

Workmanship It is easy to check up the workmanship.
The hinsh of the body, the interior of
the body and the chassis down underneath are examples

Miscellaneous Chandler equipment in ludes Unestrue demountable times, Golde parent one man top with Jiffy curtains. Bair patent top holders motor-driven horn, speedometer, instantly adjustable tire carrier in rear of tonneau, and all incidental equipment.

Come See the Chandler Now Five and seven-passenger touring bodies; \$1295

Brady-Murray Motors Corporation 1890 Broadway-Between 62nd and 63cd Streets

W. C. D. Meter Car Co. Newark, N. J. L. M. Allen Company, Brooklyn, N. A. CHANDLER MOTOR CAR COMPANY, CLEVELAND, OPHO-